

**Typical Applications**

Typical applications are in switching power supplies, converters, freewheeling diodes, and reverse battery protection.

Mechanical Data

- **Package:** TO-263
Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** As marked

■Maximum Ratings ($T_a=25$ Unless otherwise specified~)

PARAMETER	SYMBOL	UNIT	MBRBL30150CT
Device marking code			MBRBL30150CT
Repetitive Peak Reverse Voltage	VRRM	V	150
Average Rectified Output Current @60Hz sine wave, R-load, T_a FIG 1~	IO	A	30
Surge(Non-repetitive)Forward Current @60Hz half sine-wave, 1 cycle, $T_a=25$	IFSM	A	220
Current Squared Time @1ms≤t≤8.3ms $T_j=25$ rating of per diode	I2t	A2s	200
Storage Temperature	Tstg		-55 ~ +150
Junction Temperature	Tj		-55 ~ +150

■Electrical Characteristics $T_a=25$ Unless otherwise specified~

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	MBRBL30150CT
Maximum instantaneous forward voltage drop per diode	VFM	V	IFM=10.0A	0.84
Maximum DC reverse current at rated DC blocking voltage	IRRM1	mA	VRM=VRRM $T_a=25$	0.1

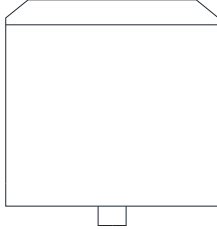
■Thermal Characteristics $T_a=25$ Unless otherwise specified~

PARAMETER	SYMBOL	UNIT	MBRBL30150CT
		W	2.0

MBRBL30150CT



■Outline Dimensions





Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise.

The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

This publication supersedes & replaces all information previously supplied. For additional information, please visit our website [http:// www.21yangjie.com](http://www.21yangjie.com) , or consult your nearest Yangjie's sales office for further assistance.